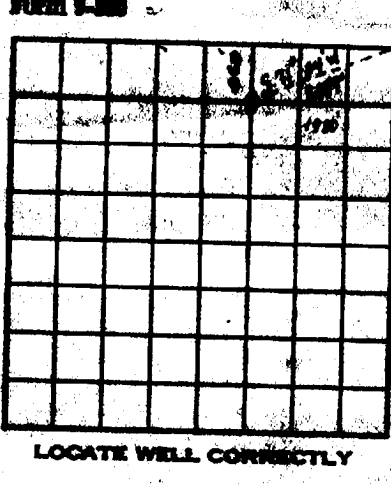




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Standard Petroleum Company Address San Francisco, Calif.
Lessor or Tract Black Hills (with) Realty Field Wichita State Kan.
Well No. 1 Sec. 11 T. 13N R. 23E Meridian 10th P.M. County Cherokee
Location 600 ft. S. of 1/2 Line and 1000 ft. W. of 1/2 Line of Section 1000
Elevation 1000 ft.

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date November 12, 1946 Signed [Signature] Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling June 28, 1946 Finished drilling November 5, 1946

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from None to None No. 4, from None to None
No. 2, from None to None No. 5, from None to None
No. 3, from None to None No. 6, from None to None

IMPORTANT WATER SANDS

No. 1, from None to None No. 3, from None to None
No. 2, from None to None No. 4, from None to None

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Estimated	Purpose
10 1/2"	26	8	Halliburton	100	Ball	100	100	100
8"	20	8	Halliburton	100	Ball	100	100	100
6"	16	8	Halliburton	100	Ball	100	100	100

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 1/2"	705'	550 sack	Halliburton	38	Completely filled hole.
8"	4435'	2000 sack	Halliburton	38	

PLUGS AND ADAPTERS

Please see attached sheet. Leaving time 11:00 AM Depth set None

PLUGS & ADAPTERS

Set Cement from 4005' to 4020'
Cement from 4020' to 4030'
Set Cement from 4030' to 4040'
Cement from 4040' to 4050'
Cement to surface with 25 sack cement
Set from 4300' to surface
Cement at surface with 25 sack cement

Cable tools were used from None feet to None feet, and from None feet to None feet

DATES

Put to producing Aug, 1946
barrels of fluid of which None % was oil; None %
Gravity, "B4"
Gallons gasoline per 1,000 cu. ft. of gas None

The production for the first 24 hours was
emulsion; None % water; and None % sediment.
If gas well, cu. ft. per 24 hours None
Rock pressure, lbs. per sq. in. None

EMPLOYEES

Stanley Wooten Driller Edward S. Fletcher Driller
Israel E. Stallons Driller William A. Capeland Driller

FORMATION RECORD

From Rotary Drive Bushing to Derrick Floor.
From Derrick Floor to top of 15 3/8" casing.

14" 16' 33'
16 49 121'
49 170 121'
170 195 25'
195 246 51'

246 452 206'
452 705 206'

705 500 40'
500 570 45'

570 602 67'
602 716 28'

716 810 98'
810 830 15'
830 871 61'
871 901 30'
901 1075 174'

1075 1143 68'
1143 1205 62'
1205 1225 20'
1225 1639 414'

1639 1685 46'
1685 1690 5'
1690 1690 70'

1690 1700 10'
1700 1730 30'
1730 1832 42'
1832 1848 16'
1848 1948 100'
1948 1979 31'
1979 2061 82'
2061 2087 26'
2087 2154 67'
2154 2200 46'
2200 2288 88'
2288 2308 20'
2308 2334 26'
2334 2365 31'
2365 2373 8'
2373 2394 21'
2394 2425 31'
2425 2431 6'
2431 2458 27'
2458 2474 16'
2474 2490 16'
2490 2505 15'
2505 2506 1'

2506 2512 6'
2512 2547 35'
2547 2570 23'
2570 2685 118'
2685 2709 24'
2709 2801 92'
2801 2832 31'
2832 2877 46'
2877 2892 15'
2892 2941 49'
2941 2965 24'
2965 2970 5'

2970 3006 36'
3006 3110 104'
3110 3149 39'
3149 3155 6'
3155 3189 34'
3189 3205 16'
3205 3213 8'
3213 3217 4'
3217 3237 20'
3237 3252 15'
3252 3270 18'
3270 3280 10'
3280 3288 8'
3288 3406 126'
3406 3433 27'
3433 3476 43'
3476 3500 24'
3500 3530 30'
3530 3536 6'
3536 3590 54'
3590 3712 126'
3712 3754 42'
3754 3776 22'
3776 3832 56'
3832 3845 13'
3845 3879 34'
3879 3920 41'
3920 3988 68'
3988 4006 18'
4006 4027 21'

4027 4070 43'
4070 4218 148'
4218 4228 10'
4228 4274 46'
4274 4287 13'
4287 4309 22'
4309 4324 15'
4324 4353 29'
4353 4380 27'
4380 4385 5'
4385 4387 2'
4387 4397 10'
4397 4417 20'
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